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14 January 1964

MEMORANDUM FOR: Assistant for Plans and Development

THROUGH : Chief, Development Branch

SUBJECT : [] Program; Request for Additional Work Under

1. It is requested that the [] be assigned the tasks of preparing design parameters for a "Precision 3X to 12X Enlarger" and a "Cut-Sheet Processor" under the subject program.

2. The Precision 3X to 12X Enlarger is intended to accommodate the range of requirements not provided by either the 10X-20X-40X Enlarger or the [] VG-1 Enlarger. It should be an electrically driven autofocus unit with a 40 inch square vacuum easel. The film carriage should be electrically driven to accommodate 500 foot rolls of 70mm to 9 $\frac{1}{2}$ inch wide film. Movement of the film in both X and Y directions should be provided to allow on-axis projection of a 70mm square format area from any chosen film size. Separate collimated light sources should be provided for specific and specialized accommodation of both B&W and color materials.

3. The Cut-Sheet Processor should accommodate all film sizes from 8 x 10 inches to 30 x 40 inches. The unit should have multiple chemical tankage to accommodate the processing of "continuous-tone," "half-tone" and "line" films. The system should be automatically programmed to assure proper sequential processing phases for each respective film type.

4. If at all feasible, it would be preferable to have the above described tasks performed here at NPIC by [] engineers, on a temporary assignment basis. This would facilitate a more intimate association with the problem and permit closer direction of the effort by the project monitor.

5. It is proposed that the enlarger be developed by [] on a sole source basis. The processor will probably be developed by the []

6. The prime reason for asking that the [] prepare these design parameters is to assist the undersigned in the mass of paper work necessary for the thirteen (13) new programs I hope to have under contract by 30 June 1964.

George, I would like this to mean proceed --

Development Branch, P&DS/